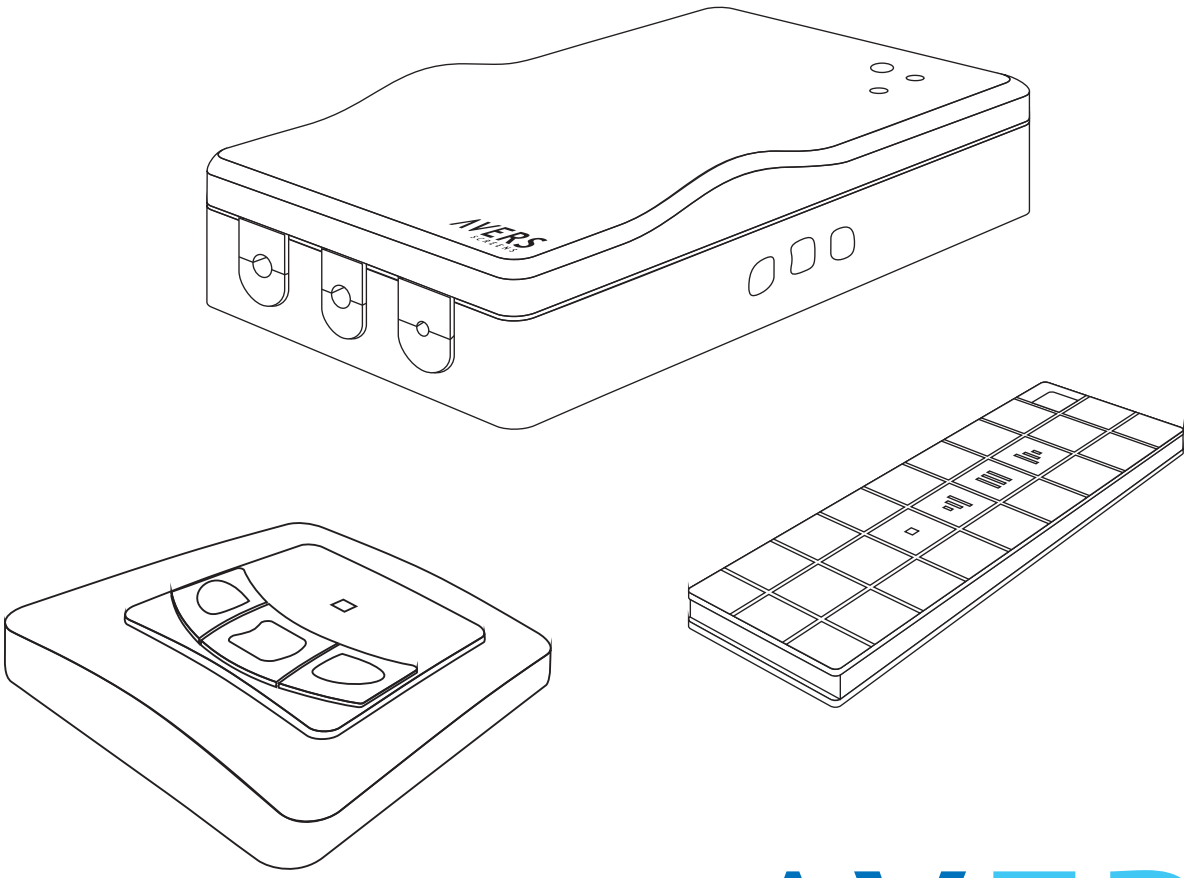
Wireless remote control system ALFA-RADIO



AVERS SCREENS

User's manual

CE

Read these instructions carefully before operating the screen.

Dear Customer,

Thank you very much for the purchase of our product. The manual booklet contains all operation information you may require to install properly and operate the radio remote control system. We hope it will help you to get the most enjoyment of your new control system. Enjoy time with the **Avers Screens** product.

SAFETY INFORMATION

NOTICE: Important safety information.

Follow the instructions described in the operating manual for safety reasons. After reading the manual, please store it in a safe place just in case you need it in the future.

NOTICE: THE DEVICE HAVE TO BE EARTHED.

WARNING:
1) Disconnect the device from the power supply if it will not be used within longer period of time.
2) Do not open the casing of the device in order to avoid possible electric shock. There are not any user operated parts inside the case of the screen. All service work can be done by Avers Authorized Service Center personnel only.

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1. SAFETY RULES

SAFETY INFORMATION

NOTICE: Important safety information. It is important for the safety of persons to follow these instructions. After reading the manual, please save it just in case of need in the future.

- Do not allow children to play with the wall manual switch connected to the control system.
- Keep the Control unit out of reach of children.
- Keep the batteries for the transmitter out of reach of children.
  In case of suspicion of the battery was eated by a child, seek medical advice immediately.

- Do not allow the “+” and “-’ terminals of the batteries to come into contact with metallic objects. Failure to observe this may cause the batteries to leak, overheat, explode or catch fire.
- Frequently examine the control system installation for imbalance and signs of wear or damage to cables. Do not use if repair or adjustment is necessary.
- Watch the moving screen and keep the people away until the screen is completely rolled in/out. It will help to avoid injuries caused with moving screen.
- All installation work should be carried out by the qualified technician.
- Improper installation can cause device damage or health breakdown.
- Do not do anything that may damage the power cables.
- Operation of the control system with damaged power cords can result with electric shock, electric short circuit and fire.
- Do not touch the power cables and the control unit with wet hands.
- Remove the battery from the remote transmitter each time you plan not to use the the system for a longer period of time. Store the battery in a plastic bag.
- Always follow the instructions described in the operating manual.

1.1 Declaration of Conformity CE

AVERS SCREENS

Manufacturer’s Declaration of ConformityCE

AVERS Screens Sp. z o.o.
Under it’s own responsibility declares:

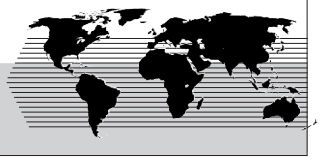
All screensand accessories mentioned below are manufactured in Polandaccording to the essential safety requirements of Council Directive 98/79/WE

Control systems: ALFA TRIGGER, WIRELESS ALFA TRIGGER
ALFA IR, ALFA RADIO, BETA, DELTA

The above mentioned products are in conformity with the European Directives and especially with the norms:

PN-EN 55014-1:2007(U)
PN-EN 50082-1:1997
PN-EN 60335-1:2004
PN-EN 61000-3-2:2007
PN-EN 61000-3-3:1997
IEC 60335-2-97:2007

CE

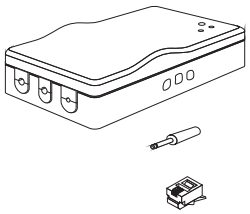
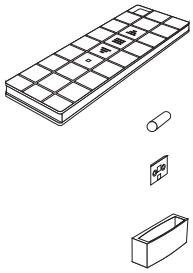
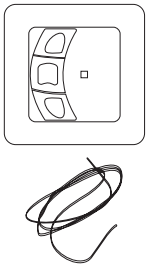
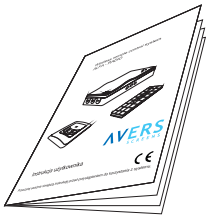


2. Product specification

ALFA-RADIO remote control system is dedicated for automatic remote control of electric projection screens by Avers Screens, electric projector lifts Avers ProLift, electric coutrtain system Avers VIRGO and other home electric appliances driven by applying high voltage to the control inputs. The control system was designed for fixed installation at projection systems for business presentations and/or home cinema applications. Operation of controlled devices is done manually either with the infrared remote transmitter, either with the dedicated wall switch. Dedicated wall swith should be connected to the control unit with cable. In case of remote transmitter malfunction emergency control buttons located at the control unit allow manual operation. It is possible to control several ALFA control units with single infrared remote transmitter.

2.1 Contents of packaging

Please, check carefully if any physical damage of the control system has not happen during transportation. Inspect the package for all accessories presented below:

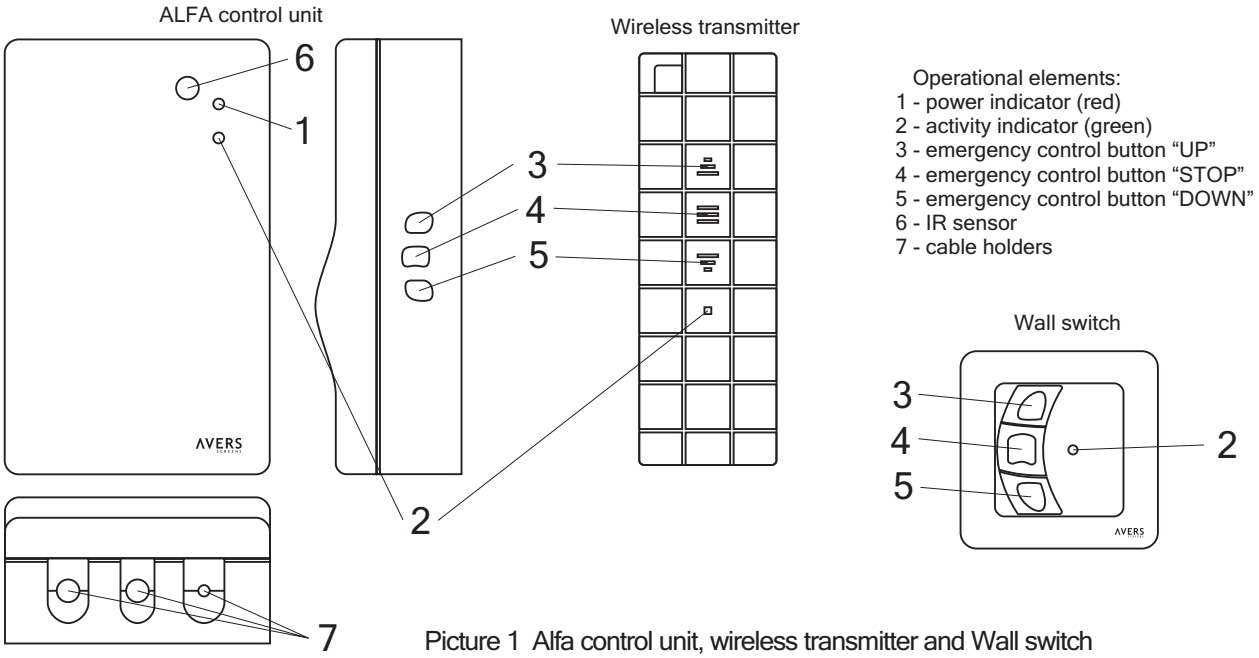
 x 1 x 1 x 1 ALFA control unit + connectors	 x 1 x 1 x 1 x 1 Wireless remote transmitter + accessories	 x1 x1 Wall switch + dedicated connection cable	 Operation manual x 1

2.2 Technical Data

Control Unit:
Dimensions: 78 x 128 x 45 mm
Power supply: 220-240V AC, 50Hz
Control supply: 220-240V AC, 50Hz
Max. control current: 10A

Wireless Transmitter:
Dimensions: 110 x 58 x 20 mm
Power supply: battery 12V type 23A
Operation range: up to 7 m.
depends on environmental conditions

Wall switch:
Dimensions: 86 x 86 x 25 mm
Power supply: from ALFA unit
Cable length: 8m



Picture 1 Alfa control unit, wireless transmitter and Wall switch

3. Control system installation

3.1. Installation precautions

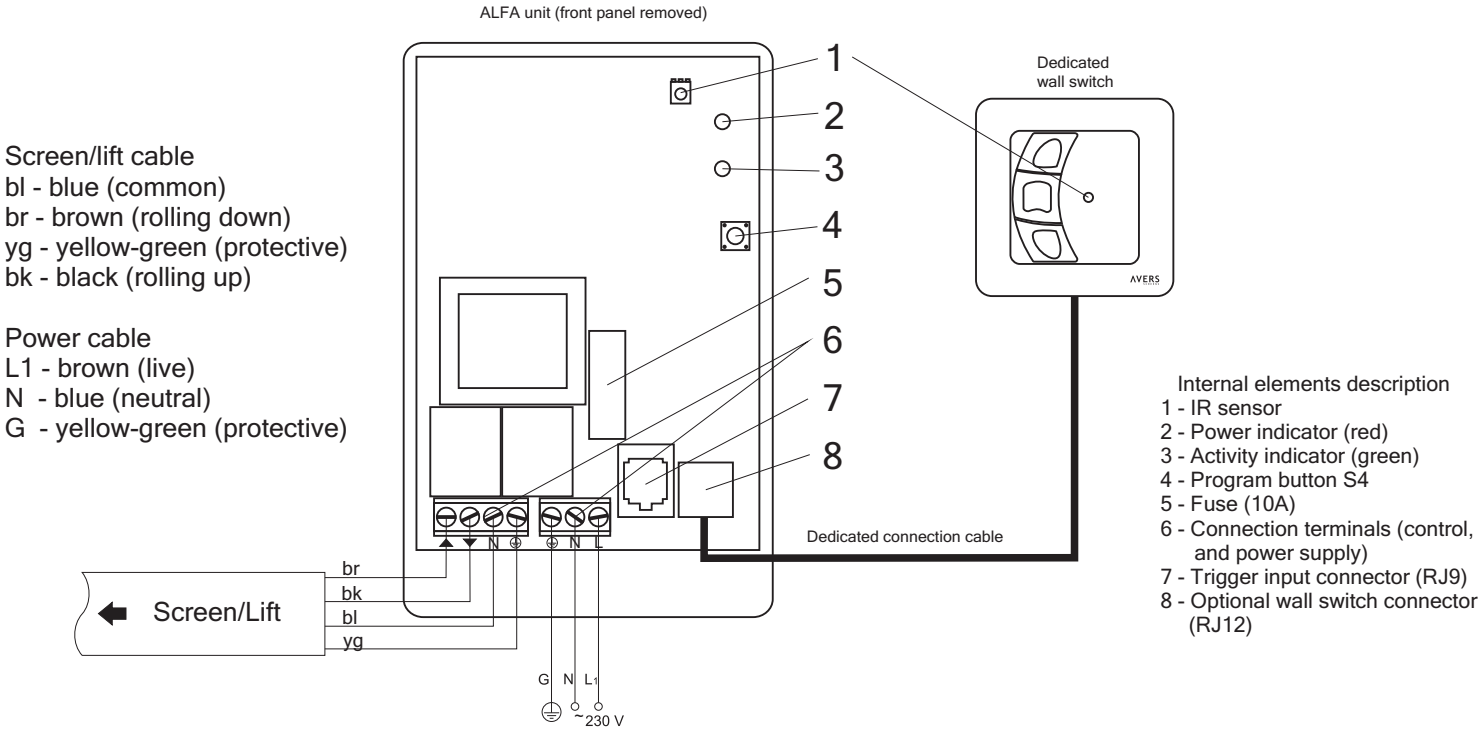
- Installation work should be carried out by a qualified technician in accordance with the instructions described below.
- Fixed installation of the control system should be done with use of the screws and anchors suitable for the walls/ceilings materials at the installation place.

3.2. Control unit installation

- Appoint the location of the control unit fixing points (see Appendix).
- Drill holes for the fixing anchors.
- Fix the control unit, wall switch and remote transmitter holder with anchors.

3.3 Electric installation

- Lead out the power and screen/lift cables to the place of Control unit installation.
- Screen power line should be fused with 10A fuse
- Switch off the Control unit power line during installation work.
- Manual wall steering switch and remote transmitter bracket should be installed at the place meeting following conditions:
  a) installation 150-180cm above the floor level,
  b) the screen should be visible by the wall switch operator during the screen operation,
  c) wall switch operator cannot stay at reach of any of the screen's moving parts during the screen operation .
  d) the wall switch must be visible from the each part of the room irrespective of the screen position.
- Connect the screen cable to the Control Terminal as shown at the Picture 2.
- Optionally attach manual wall switch with dedicated connection cable supplied with the switch as shown at the Picture 2.
- Connect the power cable to the Power Supply Terminal as shown at the Picture 2.
- Fix the cables with the securing profile and attach the Control Unit's front cover



Picture 2 ALFA-RADIO control Unit electric instalation

!!! ATTENTION !!! Electric installation work should be carried out by a certified Electrician.

3.4 AVERS-RADIO control system programming

Wireless remote control system ALFA-Radio do not require any programming to operate first time. It will be ready for use just after accomplishing electric installation of all components. It is possible to use many ALFA-RADIO systems in the same area. They will operate without interfering each other as long as remote transmitters of each ALFA unit will not be memorized by any other ALFA unit. ALFA unit can be controlled by unlimited number of ALFA-IR transmitters. Each ALFA control unit reacts to command send from any ALFA-IR transmitter in range. Additional IR transmitters do not require programming. ALFA unit reacts to incoming commands immediately after command arrival.

Programming procedure described below have to be performed when the control system is upgraded with optional wireless remote transmitters i.e. ALFA-RADIO PILOT, ALFA-RADIO SWITCH or ALFA-WIRELESS TRIGGER. ALFA control unit can remember up to 20 wireless remote transmitters, they must be separately programmed at the ALFA control unit memory.

A) Setting up of the new transmitter
Control Unit can memorize 20 individual control codes of remote transmitters.

- Connect power supply to the Control Unit and pick up the transmitter.
- Press the Control Unit's emergency "STOP" button and hold pressed untill activity indicator will blink 5 times and will light green confirming the Control Unit has entered program mode.
- Press the transmitter "▲" control button or wireless trigger transmitter P2 button and keep it until the activity indicator will stop lighting.
- Transmitter is stored at the ALFA control system now.

B) Deleting of the Control Unit memory

- Connect power supply to the control unit
- Press and hold Control Unit emergency control buttons "▼" and "STOP".
- Green indicator will blink 3 times and turn off to confirm erasing memory of the Control Unit.
- Settings of all Transmitters have been erased.

4. Control system operation

ALFA-RADIO wireless remote control system allows control of Avers electric projection screens (models without integrated control system only), and Prolift electric projector lifts. Manual operation is possible either with the optional remote transmitters, either with the optional dedicated wall switch, either with emergency control buttons (when other control options are inactive). ALFA control unit and dedicated wall switch should be installed at areas secured from direct operation of sunlight or other strong light sources. IR remote transmitters requires direct optical contact with IR receiver for operation, they will not operate if any barier will be placed in between.

4.1 Manual operation

Manual screen operation is possible either with the optional wall switch, either with the optional remote transmitter, either with emergency control buttons.

- Push button „▼", activity indicator will turn on, the screen/lift engine will begin operation and it will stop automatically when bottom position of the screen/lift will be reached.
- Push button „□"(Stop), activity indicator will turn on, the screen/lift engine will stop operation immediatelly.
- Push button „▲", the screen/lift engine will begin operation and it will stop automatically when upper position of the screen/lift will be reached.

4.2 Control system maintenance

ALFA-RADIO remote control system does not require periodical service maintenance. Clean dust from the control unit and trigger transmitter cases with dry soft cloths. If needed use moisturized cloth with soft detergent to remove stains. After stain removal dry the cleaned surface with cloth carefully.

Symptoms	Reasons	Remedy
Power supply indicator (red) do not light	Lack of power supply	Check the Control Unit's circuit fuse and condition of the power cable.
Screen/lift operates wihout any control signal	Reaction to the commands from the remote transmitter of an other control system.	Erase the Control Unit memory and programm the transmitter again. Cloned transmitter program as separate unit.
There is no reaction for the commands from the transmitter	IR sensor is "blinded" by direct exposure to intensive light	Remove interfering light source or change location of the control unit and wall switch.
	Remote Transmitter battery has exhausted.	Replace the Remote Transmitter batery with a new one.
	Defective Remote Transmitter	Replace the Remote Transmitter

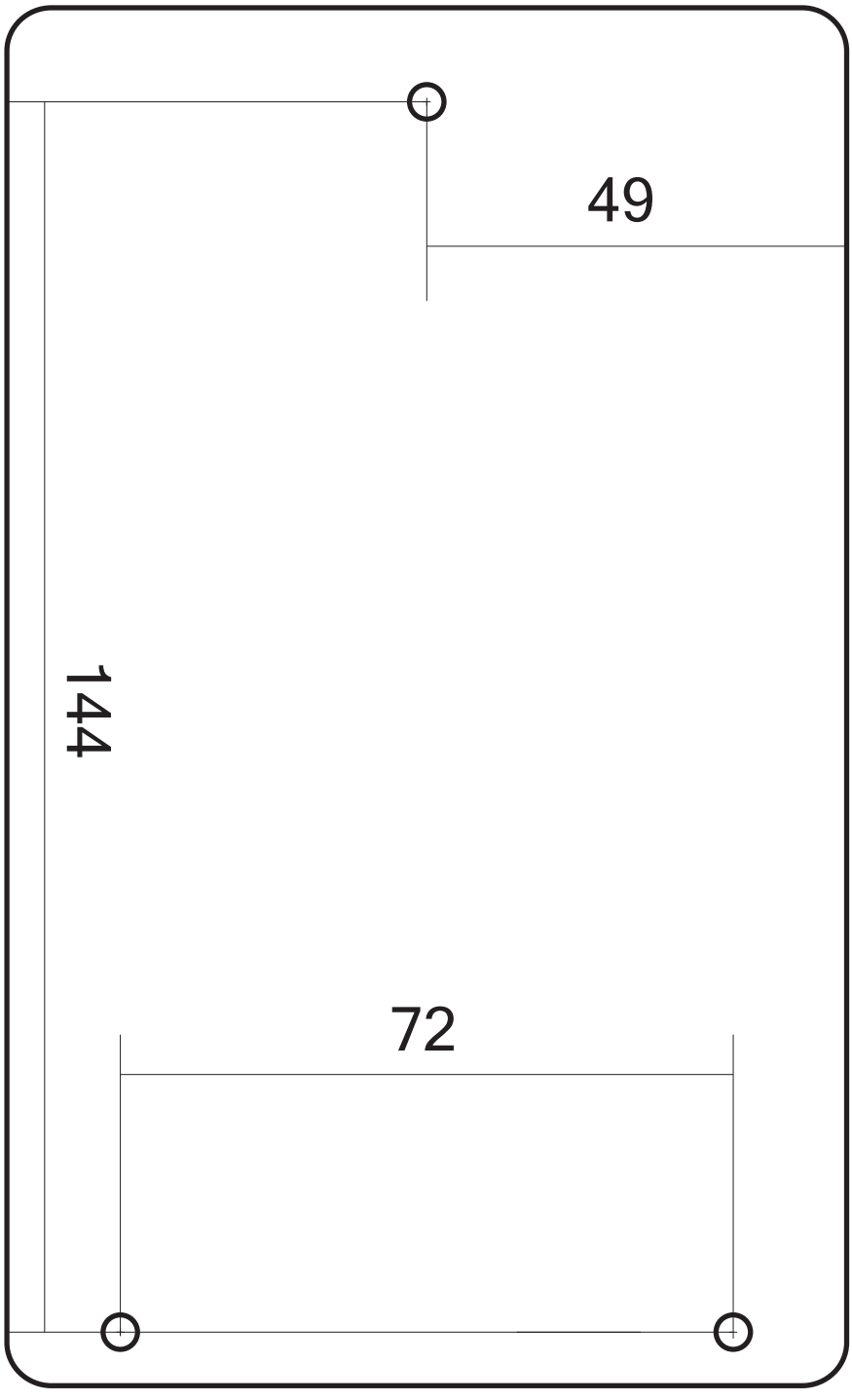
In other cases please contact service.

5. Warranty conditions

1) Avers control system warranty period is 24 months from the date of purchase confirmed with the original purchase Invoice.
3) Surety commits to fix free of charge any failures (component or production defects) of the product which appear during warranty period.
4) Warranty exclusions:
   a) The failures caused by the usage of the control system against the rules described in operation manual,
   b) The failures caused by improper storage or transportation,
   c) Mechanical defects of the control system other than mentioned at point 3),
   d) Damages caused with overvoltage at power network,
   e) De-installation and reinstallation of the screen.
5) Avers Screens Service department will remove all defects within 21 days after receiving the damaged product.
6) Warranty claims should be passed to the screen supplier (dealer).

Appendix

Control unit installation template
- Apply the template at the place you intend to install the Control Unit and appoint the centers of holes for the fixing anchors
- Drill the holes in appointed places.



!!! CAUTION !!! Check the holes printed at the template match the location of fixing points at the control unit before you use it.

Manufactured after 13.08.2005
This symbol on the products and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. Disposing of this product correctly will help to save valuable resources and prevent any potentialnegative effects on human health and the environment which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point.

Wersja 25.03.2012